



Steyr CO₂ Match

The Cal. 4.5-mm match rifle manufactured by Steyr-Daimler-Puch has been designed in line with the very latest state of developments in the field of target shooting. Thanks to the use of CO₂ as a propellant gas, it became possible to design a rifle which can be cocked and operated with greatest ease. Owing to the set-back barrel and due also to the layout of the action and the trigger, an extremely brief shot generation time is achieved, which is about 30 per cent shorter than that of other well-known makes. This recoillessly operating rifle features all imaginable possibilities for adjustment, especially of the

trigger, the cheekpiece, the butt-plate, rotation of the line of sight around the axis of the bore, barrel stabilizing weights that can be shifted along the barrel casing, a guide-rail in the fore-end as well as the new Steyr high-precision peep sight. Of particular advantage is the position of the trigger in relation to the axis of the bore and the depth of the front-end ahead of the trigger guard. All parts made of steel are case-hardened and have been provided with a special rust inhibiting coat which makes them indifferent to abrasion (scuffing) and corrosion. The outstanding precision of the hammered barrel guarantees to performance.



Fig. shows the rifle from behind. The peep sight and the front sight holder can be rotated by 15° each towards both sides. It can thus be individually adjusted by the shooter in accordance with his firing position. Thanks to this adjustment of the sights it has become possible for the first time to take aim with the rifle canted while the stance of the shooter remains absolutely relaxed.

Operating principle:	CO ₂ propellant gas
Caliber:	4.5 mm
Length of rifle:	1122 mm
Depth of rifle:	200 mm
Width of rifle:	52 mm
Sighting length	800 mm, approx.
Weight without receiver sight:	4.6 kp, approx.
Weight with receiver sight:	4.82 kp, approx.
Muzzle velocity:	170 m/sec
Front sight:	Steyr front sight holder
Rear sight:	Steyr precision receiver sight
	30–200 g
Trigger pull:	7 mm
Trigger adjustment:	4 mm
length	7.5 mm
height	± 30°, approx.
sideways	± 45°, approx.
rotating range	
pivotal	
Butt plate adjustment:	± 30 mm
height	10–16 mm
length (by steps)	15° left or right
angle (optionally)	
Cheekpiece adjustment:	0–17 mm
height	± 15°
rotating range	
Receiver sight pos.:	65 mm
longitudinally movable by	± 15°
rotating range	

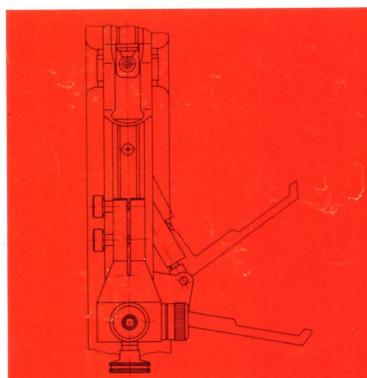


Fig. provides a side view of the front-end with the propellant-gas reservoir. The front-end houses the CO₂-propellant-gas reservoir, which has a capacity of about 300 shots. The CO₂-gas reservoir can be unscrewed with ease by the shooter and exchanged for one that is fully charged. Each rifle is equipped with two gas reservoirs, which can readily and without any danger be refilled by the shooter at any time, and an indefinite number of times. NOTE: When taking part in competitive shooting events, see to it that you start out with a fully charged propellant-gas reservoir.

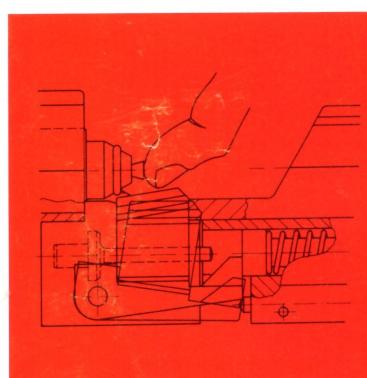
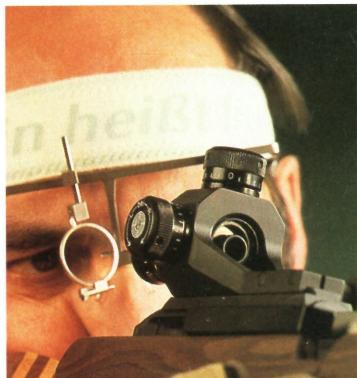


Fig. shows the action from above in open condition. The modest physical effort required in order to cock the rifle is a particular boon for the shooter. The short cocking movement can be performed with ease regardless of the shooting position. To this comes that the large loading platform enables the round to be fed with ease. The peep sight can be moved by 65 mm on its base rail without impairing the proper functioning of the cocking lever in any way. When the action is open, the trigger is locked.



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